

Title (en)  
Apparatus for forming two toner images in a single frame

Title (de)  
Gerät zur Bildung zweier Tonerbilder in einem Rahmen

Title (fr)  
Dispositif de formation de deux images de toner dans un seul cadre

Publication  
**EP 0774698 A3 19980422 (EN)**

Application  
**EP 97100597 A 19940506**

Priority  
• EP 94107101 A 19940506  
• US 6524693 A 19930520  
• US 6524893 A 19930520

Abstract (en)  
[origin: EP0625730A2] A composite toner image made up of first and second toners is formed on an image member (1). A first electrostatic image of a first polarity is formed on the image member (1). That electrostatic image is toned with a first toner of the first polarity. The image member (1) is imagewise exposed to create a second electrostatic image also of the first polarity. Exposure is overlapped into the portion of the image member (1) under the first toner image to prevent any charge on the photoconductor of the first polarity underneath the first toner image from repelling toner into the portions of the second electrostatic image that are discharged. Preferably, the second exposure is accomplished through the base (3) of the image member in order to thoroughly expose portions of the electrostatic image underneath the first toner image. A web image member (1) is conveniently exposed through its base (3) by a printhead (17) mounted in an assembly (50) including a positioning bar (70) for properly spacing the printhead (17) and a lens 54 from the image member 1. <IMAGE>

IPC 1-7  
**G03G 15/01**; **G03G 15/04**

IPC 8 full level  
**G03G 15/02** (2006.01); **B41J 2/45** (2006.01); **G03G 15/00** (2006.01); **G03G 15/01** (2006.01); **G03G 15/04** (2006.01); **G03G 15/22** (2006.01); **G03G 15/32** (2006.01); **G03G 21/08** (2006.01)

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Citation (search report)  
• [A] US 4703334 A 19871027 - MOCHIMARU HIDEAKI [JP], et al  
• [A] US 4928139 A 19900522 - BARTON JAMES T [US], et al  
• [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 292 (P - 406) 19 November 1985 (1985-11-19)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 264 (P - 734) 23 July 1988 (1988-07-23)

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